

EMS FACT SHEET NO. 2



LBNL Environmental Management Program (EMP) Summary

In 2004, the Environmental Management System (EMS) Core Team identified environmental aspects (activities that may produce a change to the environment). Specific impacts related to each aspect were identified and ranking criterion to determine the level of significance was developed. For the most significant aspects (7), Environmental Management Programs (EMP) were developed that outlined a strategy and work plan for improving environmental performance, and a Core Team member was selected to lead the EMP implementation. After about 1 year of implementation, the accomplishments of each EMP are summarized in the table below:

EMP	Objective	Accomplishment(s)	Status
Diesel Particulate Matter (DPM)	Reduce emissions of DPM – DPM currently accounts for about 95% of the projected maximum offsite risk from air emissions.	Prepared an inventory of stationary and mobile DPM sources; collected and compiled relevant information; determined alternatives and costs for reducing emissions.	Ongoing
Low-Level Radioactive Waste	Continue to minimize the generation of low-level radioactive waste.	Assessed opportunities for reducing low-level rad waste; selected digital imaging equipment; completed a Return on Investment analysis.	Closed
Electronic Waste	Minimize the generation of electronic waste, primarily computer equipment which contains lead, silver, mercury and other hazardous materials.	Investigated the viability of a computer take-back program; determined that current recycling program is effective and efficient.	Closed
Fleet Petroleum Use	Reduce vehicle fleet petroleum consumption.	Compiled and analyzed fuel (gasoline, diesel, biodiesel) usage data, vehicle usage data, and developed vehicle acquisition strategy which includes switching light trucks to sedans, switching high mileage vehicles to AFV (alternative fuel vehicle), and acquisition of AFV or fuel efficient vehicles.	Ongoing
Green Purchasing	Increase procurement of energy efficient products and products made with recycled material.	Trained buyers on green purchasing; working on developing procurement software to highlight and track "green" products; working on policies and procedures.	Ongoing
Energy Efficient Buildings	Demonstrate leadership in energy and environmentally sustainable building design.	Incorporated LEED (Leadership in Energy and Environmental Design) standards into the Project Design Requirement document at the "Certified" level.	Closed
Traffic	Reduce Laboratory commute traffic by optimizing mass transit opportunities.	Conducted a ridership survey to identify improvements in the bus system; reviewing options to increase use of mass transit.	Ongoing

For more details on LBNL's EMS program or on these EMPs, please go to: <http://www.lbl.gov/ehs/esg/emsplan/emsplan.htm>